

## INTERNATIONAL SEARCH REPORT

 Int lonal Application No  
 PCT/US2004/013102

 A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 A47J42/50

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 A47J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97/41763 A (BIANCO JAMES S) 13 November 1997 (1997-11-13) page 5, line 2 -page 9, line 37 page 12, line 19-28; figures 1-19,25-32 ---	1-7,9,10
X	US 6 057 514 A (MAGUIRE STEPHEN B) 2 May 2000 (2000-05-02) column 4, line 66 -column 6, line 41; figures ---	1-7,9,10
X	WO 00/65969 A (FOOD EQUIPMENT TECHNOLOGIES IN ;LASSOTA ZBIGNIEW G (US)) 9 November 2000 (2000-11-09) page 12, paragraph 3 -page 26, paragraph 1; figures --- -/-	10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*P\* document published prior to the international filing date but later than the priority date claimed

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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

24 August 2004

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12/10/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2002/113080 A1 (BEAL JOHN ET AL) 22 August 2002 (2002-08-22) paragraph '0037! - paragraph '0049!; figures -----	1-10

# INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9741763	A	13-11-1997	WO 9741763 A1	13-11-1997
US 6057514	A	02-05-2000	NONE	
WO 0065969	A	09-11-2000	WO 0065969 A1	09-11-2000
			US 6626085 B1	30-09-2003
			US 2004123747 A1	01-07-2004
US 2002113080	A1	22-08-2002	DE 10206139 A1	19-09-2002